

CLAIMS

1. An artificial nipple for an experimental animal comprising:
a replaceable duct in a nipple; and
5 a structure that prevents a liquid from accumulating in the nipple except in a nipple tip and the duct.
2. The artificial nipple for an experimental animal according to claim 1, wherein the structure that prevents the liquid from accumulating is achieved by filling the nipple with an
10 elastic member or forming the nipple with an elastic member integrally with an outer wall of the nipple.
3. The artificial nipple for an experimental animal according to claim 1 or 2, wherein a check valve is provided in a joint part with a feeding bottle.
- 15 4. A feeding bottle for an experimental animal used in combination with the artificial nipple of any one of claims 1 to 3, the feeding bottle comprising therein a replaceable tube.
5. The feeding bottle for an experimental animal according to claim 4, wherein the tube is marked with calibrations for
20 measurement and/or a movable mark.
6. The feeding bottle for an experimental animal according to claim 4 or 5, comprising a check valve.
7. The feeding bottle for an experimental animal according to any one of claims 4 to 6, comprising a mechanism by which a
25 liquid stops flowing when an experimental animal drinks a predetermined amount or a certain amount of the liquid and thereby the internal pressure of the feeding bottle becomes

negative.

8. The feeding bottle for an experimental animal according to claim 7, comprising a mechanism by which the experimental animal is allowed to voluntarily drink the liquid again upon application of a pressure from outside the feeding bottle after the liquid stops flowing when the experimental animal drinks the predetermined amount or the certain amount of the liquid and thereby the internal pressure of the feeding bottle becomes negative.
9. A liquid feeding device for an experimental animal, wherein any one artificial nipple selected from the artificial nipples according to claims 1 to 3 is attached to any one feeding bottle selected from the feeding bottles according to claims 5 to 8.
10. A liquid feeding method for an experimental animal, wherein size and/or shape of the artificial nipple is changed depending on the size and type of the experimental animal in the liquid feeding device for an experimental animal according to claim 9.